

American Zinc Products Pond progress meeting

Nov 17th 2021



Agenda

1. Site evaluation.
2. Site remediation.
3. Review action tracker.
4. Update on AOC.
5. General and closure.

1. Site Evaluation Status

- Dye injected into raffinate pond.
- YSL Monitors (2) installed in UT-4. Monitor pH, ORP, temperature, and rhodamine. Will be downloaded 11/18
- Last round of UT-4 samples (with dissolved tests) data received this week
- Initial round of UT-1 data received and being reviewed
- Draft scope and data quality objectives for bedrock drilling prepared – subject to change if dye trace shows results. (first qualitative look 11/18)
- Contracting for LIDAR survey of entire plant to obtain good topographic data.
- Other (correspondence, inquiries, Q & A, etc.) – nothing to report.

2. Site remediation

Phase 1 soil remediation:

- Completed.

Logistics:

- Profiling of roll-offs completed and shipment to disposal facilities being performed as logistics allow.

Liquid recovery systems:

- Weekly pumping performed. See log, attached to weekly activity report.

UT - 4 static treatment trial:

- Review treatment permit requirements.

3. Action tracker

Item #	Action	Responsible	Date added	Target completion date	Comments
1	Email to presentation to call participants.	Phil		24-Sep-21	Complete (9/24)
2	Schedule weekly update calls and include DWR on the next one.	AZP (Charlie)		23-Sep-21	Complete (9/24)
3	Gather all data from ravine 4 and send to EPA (Ken).	Phil		24-Sep-21	Complete (9/24)
4	Collect surface water / sediment samples at confluence w/ Broad River.	Phil		TBA	Complete (9/28)
5	Attempt sampling of sediment in west storm water pond.	Phil		1-Oct-21	Complete (9/28)
6	Sample liquid in west storm water pond.	EnSafe		1-Oct-21	Complete (9/24)
7	Provide Sampling Analysis Plan to EPA.	Phil		24-Sep-21	Complete (9/24)
8	Provide first draft proposal for soil remediation/removal.	Ensafe		1-Oct-21	See item 12
9	Install free liquid recovery system and remove accessible saturated soils in raffinate and maintenance ponds.	AZP (Kobus)		13-Oct-21	Complete
10	Review possible use of bentonite to prevent contamination migration to springs/Ravine #4.	EnSafe	-	TBA	Not considered feasible due to concerns over impact on ravine and efficacy.
11	Continue installing monitoring wells for further delineation	EnSafe		TBA	Drilling contractor confirmed for November 29th start.
12	Phase 1 soil remediation	AZP	6-Oct-21	31-Oct-21	Complete.
13	Confirmation sampling of native soil	Ensafe	6-Oct-21	25-Oct-21	Complete.
14	Confirm drilling method and schedule (sonic vs. auger)	Ensafe	6-Oct-21	6-Oct-21	Decision taken to use sonic drilling. Timing to be confirmed.
15	Perform pH and metals sampling and analysis in Ravine #1	EnSafe	6-Oct-21	11-Nov-21	Scheduled for 11/9.
16	Drain storm water pond and sample underneath liner	AZP/Ensafe	14-Oct-21	5-Nov-21	Complete (11/6)
17	Incorporate ongoing monitoring into SAP.	AZP/EnSafe	20-Oct-21	TBA	
18	Begin researching in-situ treatment options for UT-4.	AZP/EnSafe	27-Oct-21	TBA	
19	Confirm no 401, 404, or NPDES permit is required for in-situ treatment	AZP / US EPA / NC DEQ	10-Nov-21	TBA	In progress
20	Submit rotamine dye application to NC DEQ DWR	AZP	10-Nov-21	17-Nov-21	Complete (11/12)
21	Confirm material (soil, gravel, etc.) between liners in west storm pond.	AZP	10-Nov-21	TBA	